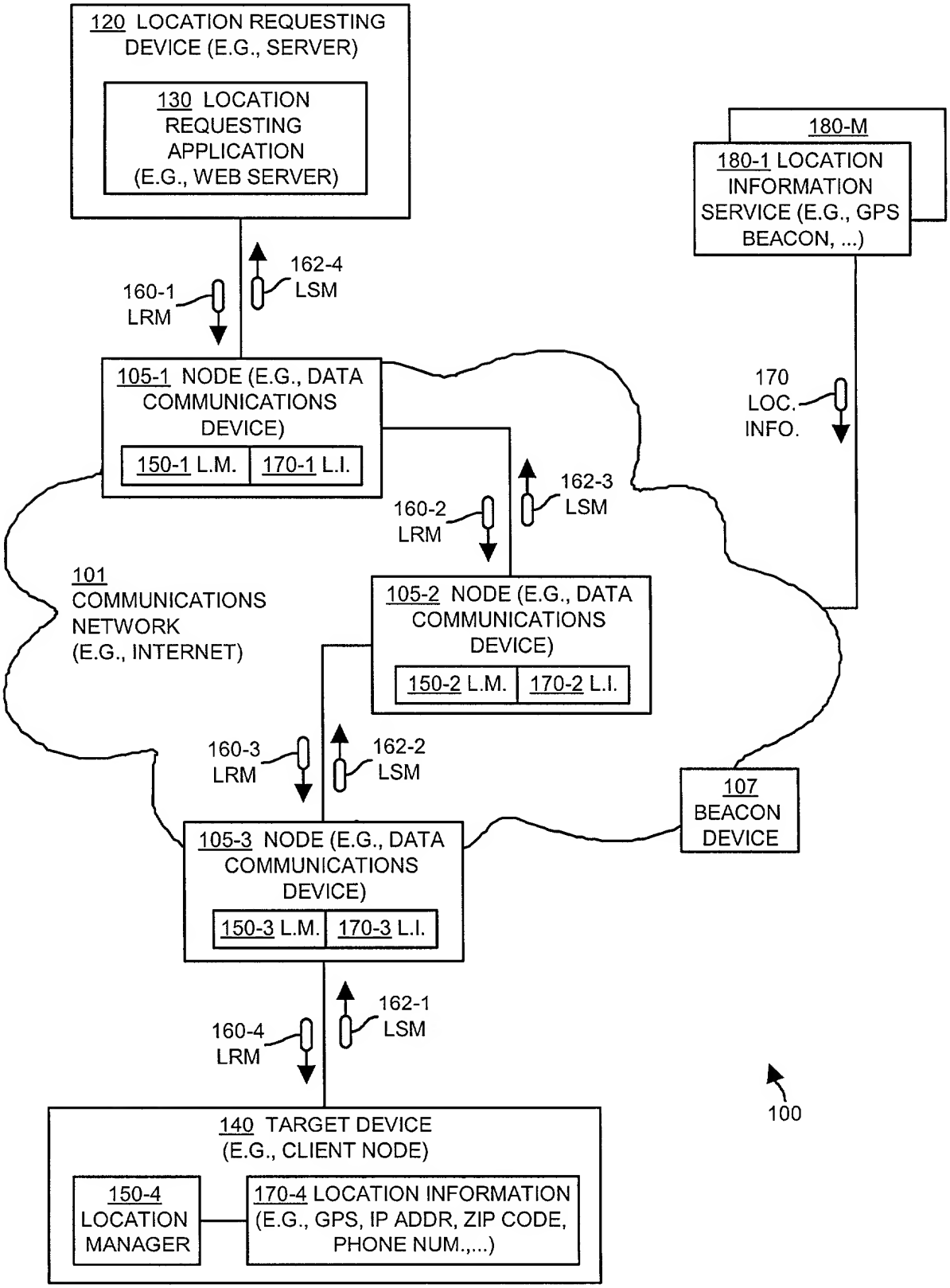

120 LOCATION REQUESTING DEVICE (E.G., SERVER)
130 LOCATION REQUESTING APPLICATION (E.G., WEB SERVER)
180-M
180-1 LOCATION INFORMATION SERVICE (E.G., GPS BEACON, ...)
160-1 LRM
162-4 LSM
105-1 NODE (E.G., DATA COMMUNICATIONS DEVICE)
150-1 L.M.
170-1 L.I.
170 LOC. INFO.
160-2 LRM
162-3 LSM
101 COMMUNICATIONS NETWORK (E.G., INTERNET)
105-2 NODE (E.G., DATA COMMUNICATIONS DEVICE)
150-2 L.M.
170-2 L.I.
160-3 LRM
162-2 LSM
107 BEACON DEVICE
105-3 NODE (E.G., DATA COMMUNICATIONS DEVICE)
150-3 L.M.
170-3 L.I.
160-4 LRM
162-1 LSM
100
140 TARGET DEVICE (E.G., CLIENT NODE)
150-4 LOCATION MANAGER
170-4 LOCATION INFORMATION (E.G., GPS, IP ADDR, ZIP CODE, PHONE NUM.,...)

FIG. 1

US 2008/0261626 A1

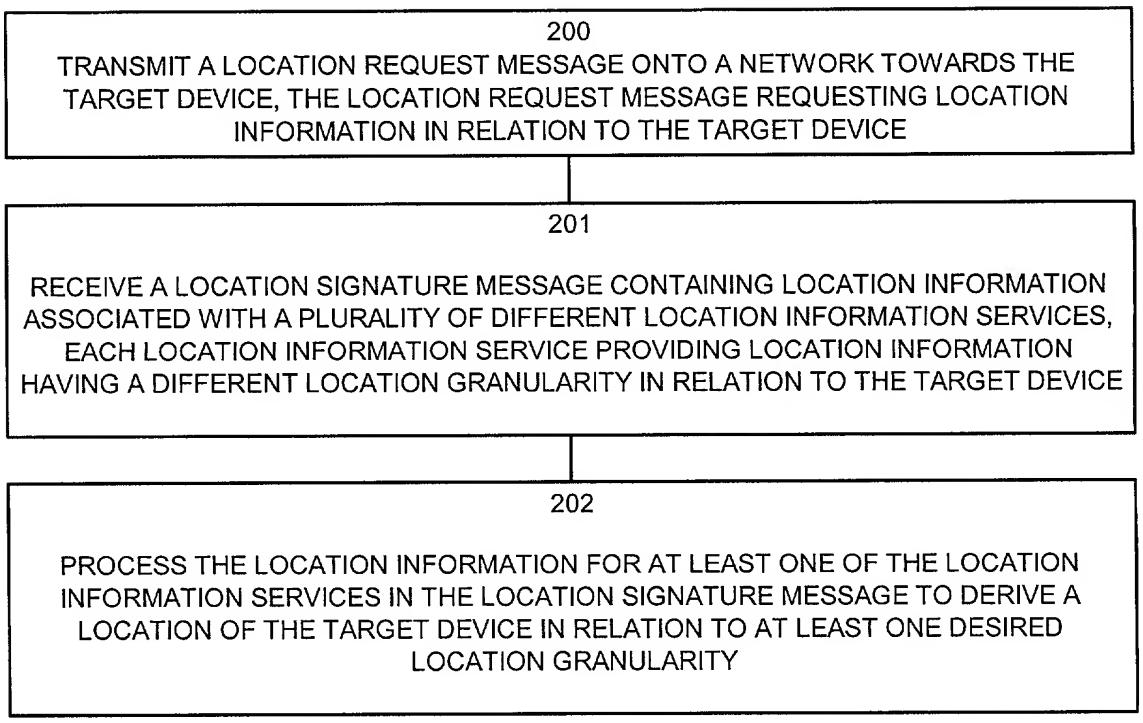


FIG. 2

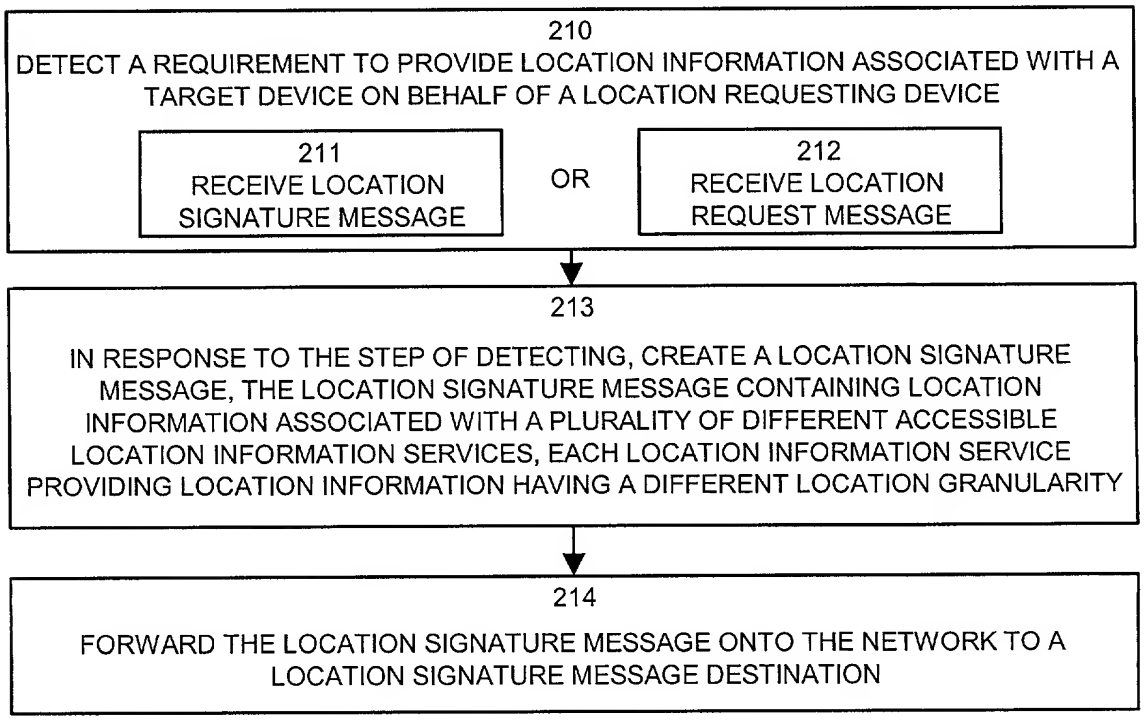


FIG. 3

160 LOCATION REQUEST MESSAGE

310 LRM IDENTIFIER (E.G., TCP PORT, FLAG, ETC.)	311 SOURCE ADDRESS (E.G., LOC. REQ. DEVICE)	312 DEST. ADDRESS (E.G., TARGET DEVICE IDENTIFIER)	313 LOCATION INFORMATION DESTINATION (E.G., LRD, BEACON, TARGET)
314 TIME TO RETURN (E.G., TTL OR REV. TTL)	315 COMBINE OR SEPARATE LSM	316 LOCATION INFORMATION PARAMETERS (X1, X2, X3...XN)	317 LOCATION INFORMATION MODIFICATION FACTORS (F1,F2,F3...FN)

FIG. 4

Docket No. 0326.0

162 LOCATION SIGNATURE MESSAGE

320 LSM IDENTIFIER (E.G., TCP PORT, FLAG, ETC.)	321 SOURCE ADDRESS (E.G., TARGET DEVICE, NODE)	322 DEST. ADDRESS (E.G., LOC. REQ. DEV., NEXT HOP NODE, BEACON)	323 LOCATION INFORMATION DESTINATION (E.G., L.R.D.)	324 LOC. REQUESTING DEVICE
325 COMBINE OR SEPARATE LSM	326 LOCATION INFORMATION VALUES (Y1, Y2, Y3...YN)	327 LOCATION INFORMATION PARAMETERS (X1, X2, X3...XN)	328 LOCATION INFORMATION MODIFICATION FACTORS (F1,F2,F3...FN)	

FIG. 5

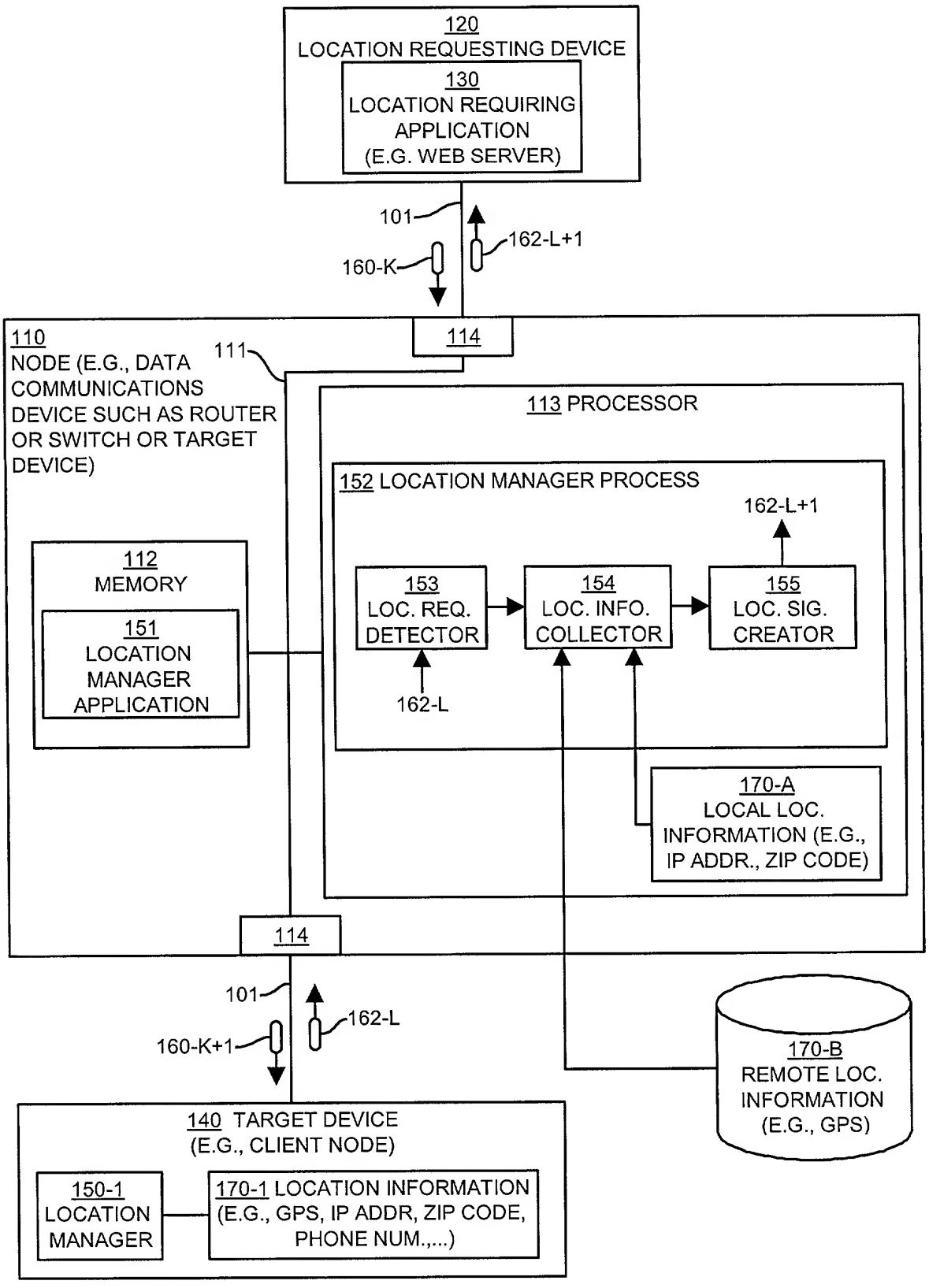
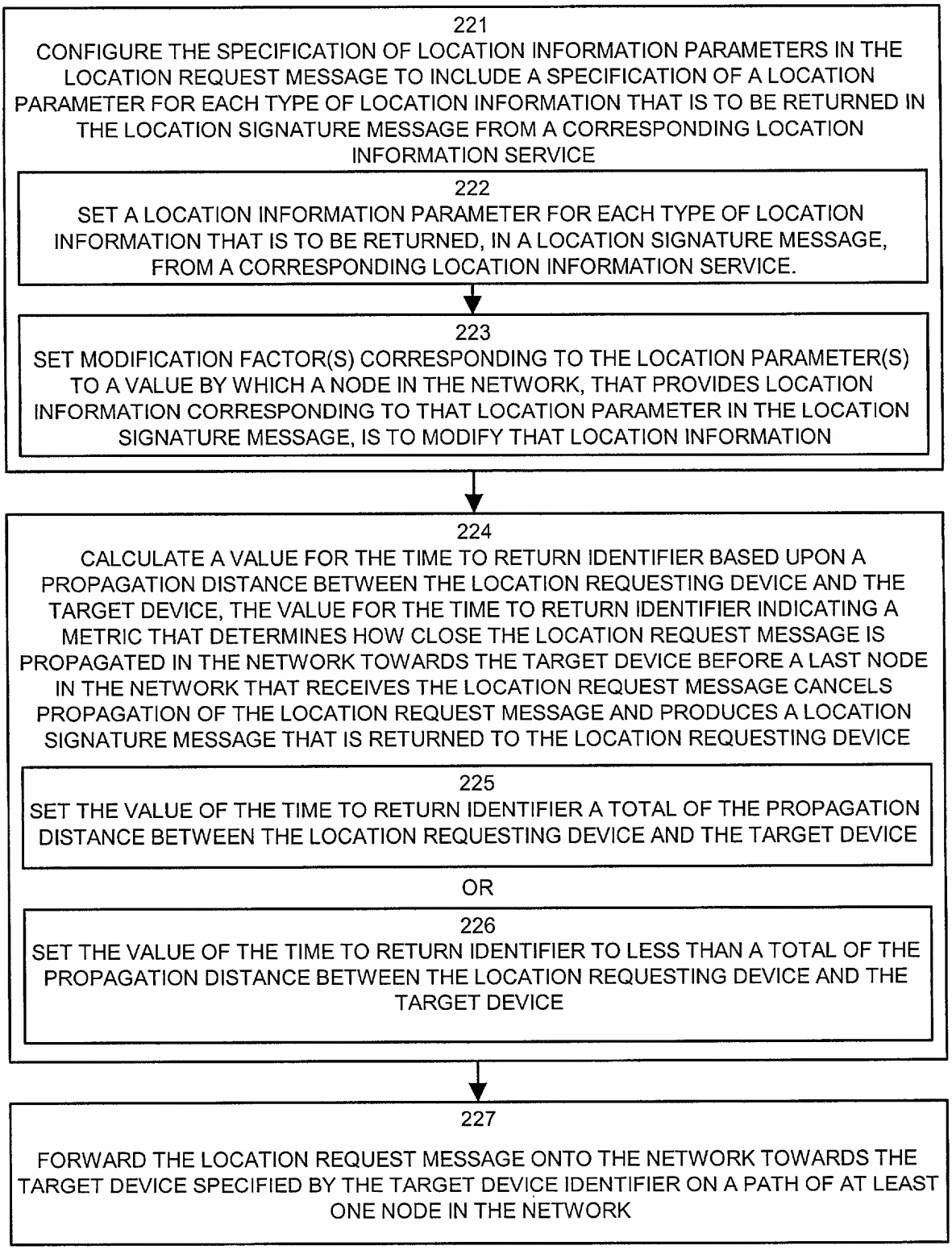

120
LOCATION REQUESTING DEVICE
130
LOCATION REQUIRING APPLICATION (E.G. WEB SERVER)
101
162-L+1
160-K
114
110
NODE (E.G., DATA COMMUNICATIONS DEVICE SUCH AS ROUTER OR SWITCH OR TARGET DEVICE)
111
113 PROCESSOR
152 LOCATION MANAGER PROCESS
162-L+1
112
MEMORY
151
LOCATION MANAGER APPLICATION
153
LOC. REQ. DETECTOR
154
LOC. INFO. COLLECTOR
155
LOC. SIG. CREATOR
162-L
170-A
LOCAL LOC. INFORMATION (E.G., IP ADDR., ZIP CODE)
114
101
162-L
160-K+1
170-B
REMOTE LOC. INFORMATION (E.G., GPS)
140 TARGET DEVICE
(E.G., CLIENT NODE)
150-1
LOCATION MANAGER
170-1 LOCATION INFORMATION
(E.G., GPS, IP ADDR, ZIP CODE, PHONE NUM.,...)

FIG. 6

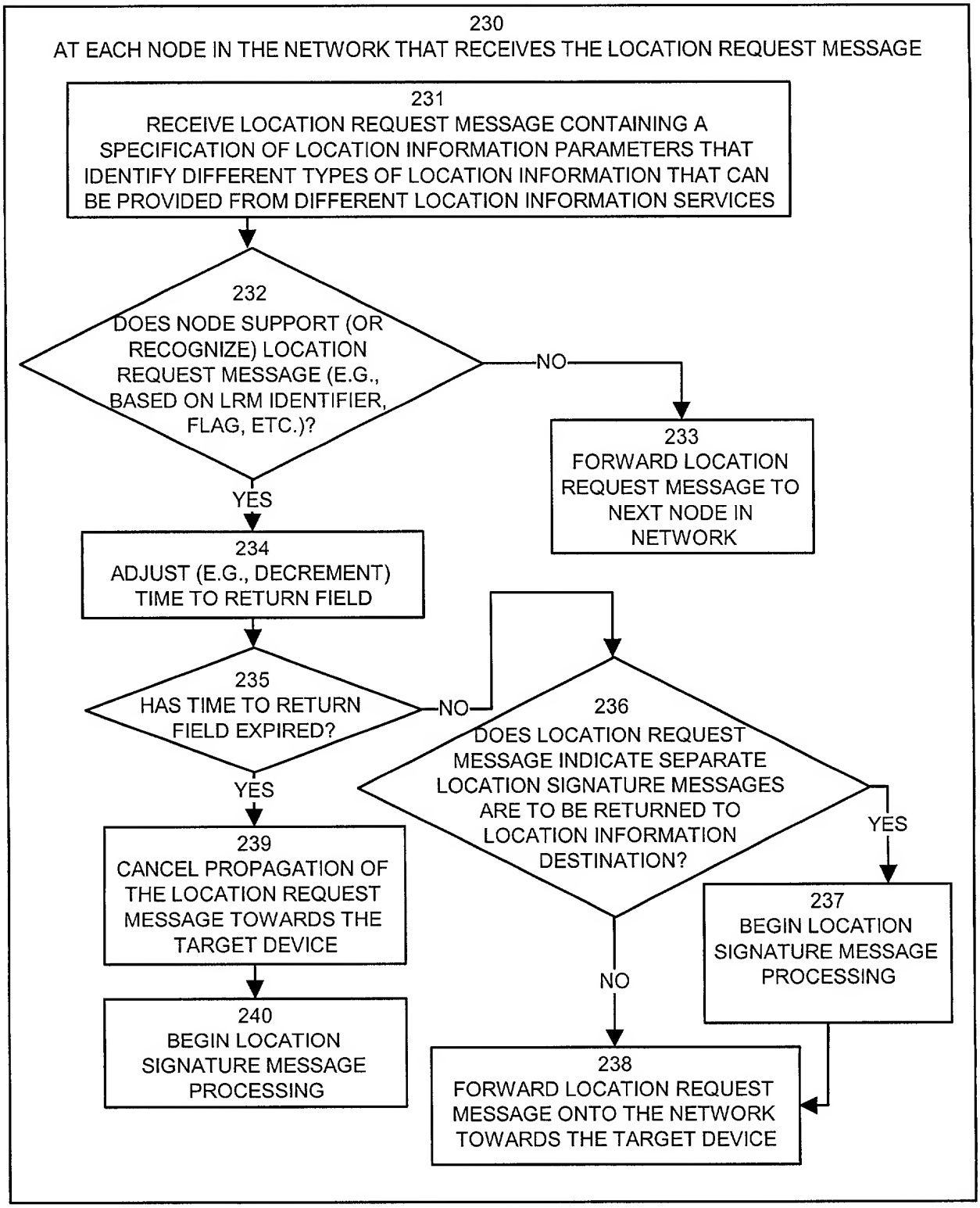
4609326.020202



GENERATION OF LOCATION REQUEST MESSAGE

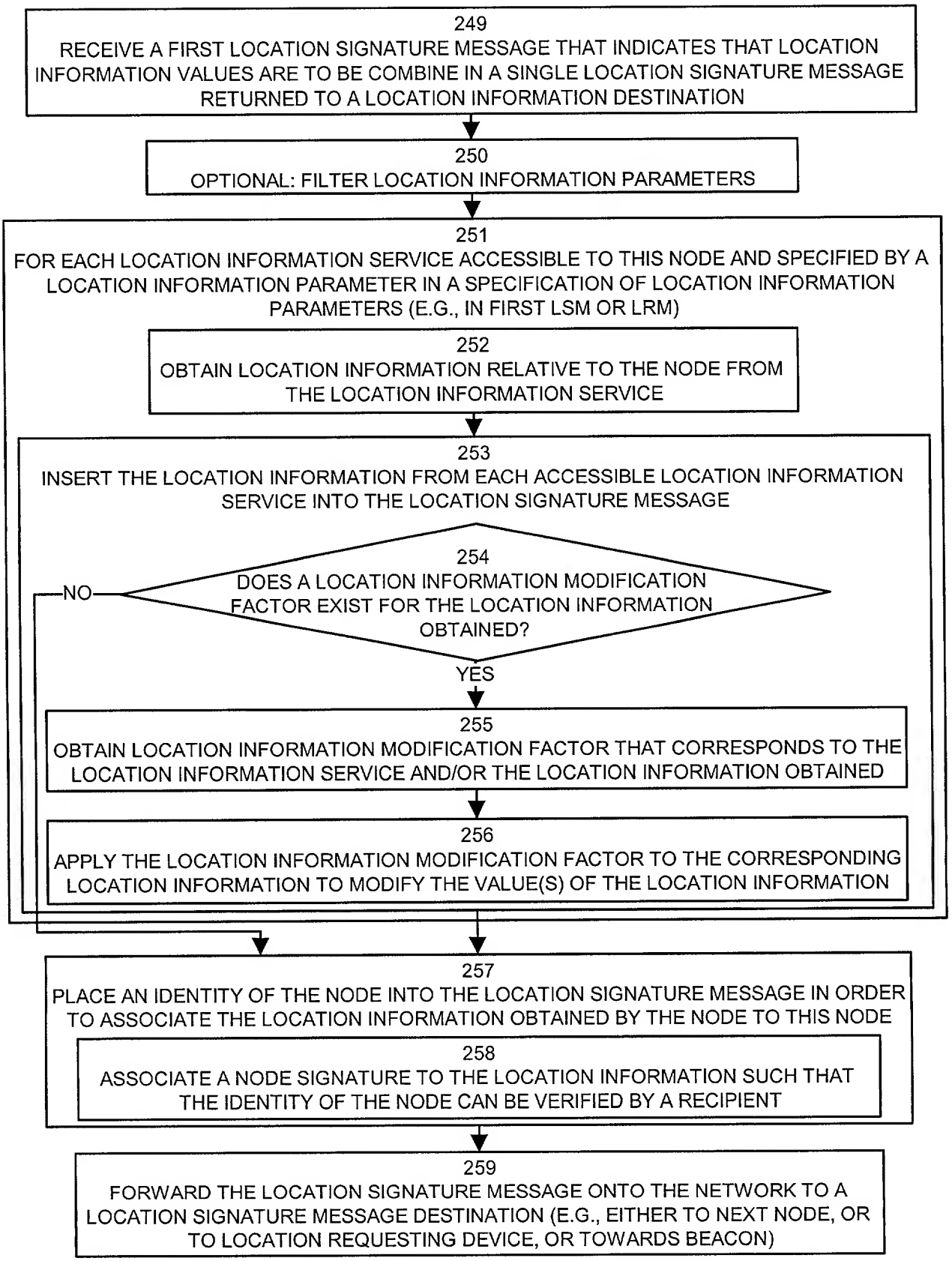
FIG. 7

1008326.00026



LOCATION REQUEST MESSAGE PROCESSING IN EACH NODE

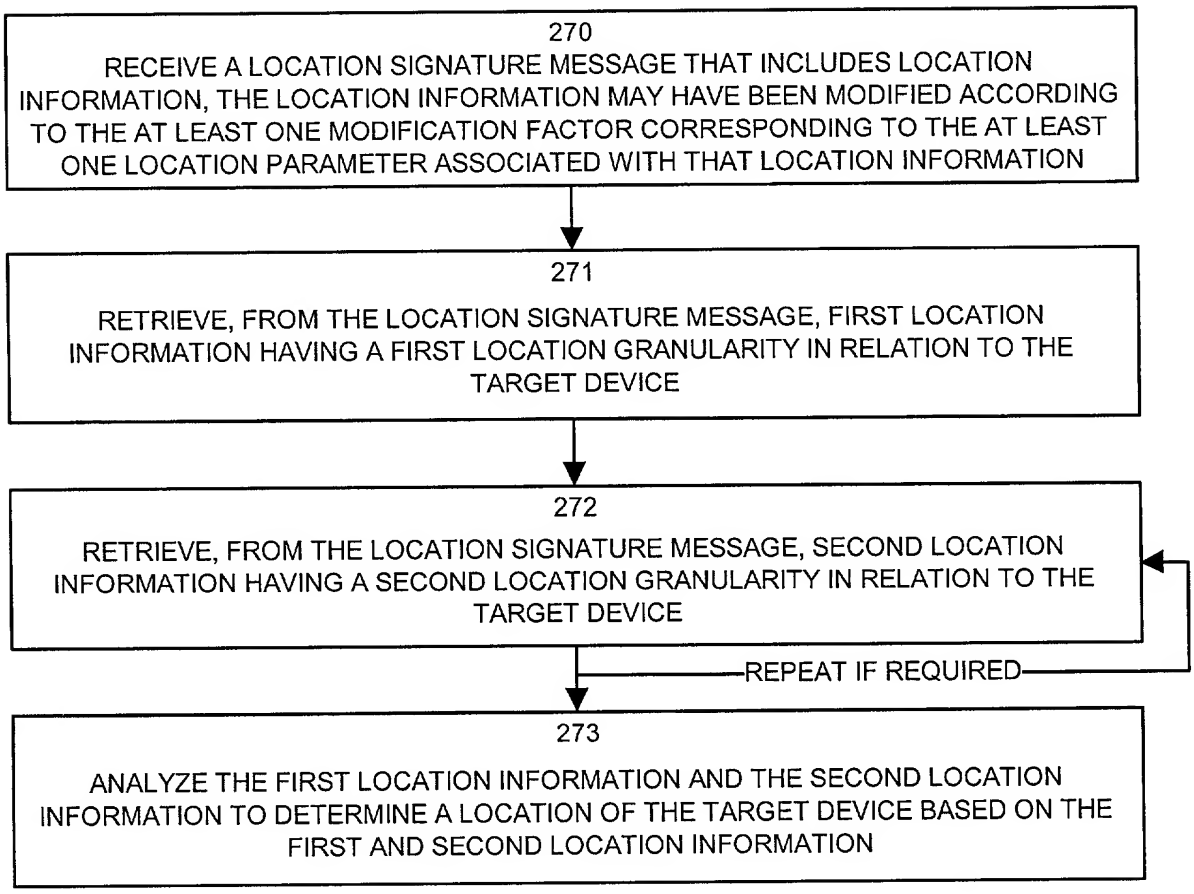
FIG. 8



LOCATION SIGNATURE MESSAGE PROCESSING

FIG. 9

Petitioner Apple Inc. - Exhibit 1008, p. 1025



LOCATION SIGNATURE MESSAGE PROCESSING BY LOCATION REQUESTING DEVICE

FIG. 10